

=> s diester and (succinic or succinate or btca)

15422 DIESTER
13001 DIESTERS
24430 DIESTER
(DIESTER OR DIESTERS)
59987 SUCCINIC
49273 SUCCINATE
1181 SUCCINATES
49771 SUCCINATE
(SUCCINATE OR SUCCINATES)
177 BTCA

L1 1299 DIESTER AND (SUCCINIC OR SUCCINATE OR BTCA)

=> s l1 and (fabric or textile or cloth? or garment)

105261 FABRIC
95671 FABRICS
145571 FABRIC
(FABRIC OR FABRICS)
82514 TEXTILE
107107 TEXTILES
140768 TEXTILE
(TEXTILE OR TEXTILES)
53991 CLOTH?
3474 GARMENT
3395 GARMENTS
5422 GARMENT
(GARMENT OR GARMENTS)

L2 45 L1 AND (FABRIC OR TEXTILE OR CLOTH? OR GARMENT)

=> s l2 and (cross link?)

486912 CROSS
17214 CROSSES
501755 CROSS
(CROSS OR CROSSES)
453926 LINK?
44697 CROSS LINK?
(CROSS(W)LINK?)

L3 1 L2 AND (CROSS LINK?)

=> s l2 and crosslink?

264524 CROSSLINK?

L4 4 L2 AND CROSSLINK?

=> d l3

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1959:69986 CAPLUS

DN 53:69986

OREF 53:12696c-f

TI Water-soluble basic polyamides and their alkylation products as antistatic finishes for textiles

IN Valko, Emery I.; Tesoro, Giuliana C.; Szubin, Edward D.

PA Onyx Oil and Chemical Co.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2882185	19590414	US 1956-577946	19560413
DE 1140169	DE		
GB 854381	GB		
GB 854381	GB		

=> d l4 all

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:493941 CAPLUS

DN 141:55724

ED Entered STN: 18 Jun 2004

TI Fabric durable press treatment method and composition of blocked crosslinking agent

IN Bhatia, Shameem; Carswell, Robert John; Evans, Paul Johnathon; Findlay, Paul Hugh

PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SO PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M013-192

ICS D06M013-395; D06M023-06; D06M023-00; D06M015-564

CC 40-9 (Textiles and Fibers)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004050981	A1	20040617	WO 2003-EP13329	20031124
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2507349	AA	20040617	CA 2003-2507349	20031124
AU 2003292129	A1	20040623	AU 2003-292129	20031124
EP 1567708	A1	20050831	EP 2003-767673	20031124
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, BG, CZ, EE, HU, SK				
BR 2003016846	A	20051025	BR 2003-16846	20031124
CN 1745207	A	20060308	CN 2003-80109393	20031124
PRAI GB 2002-28358	A	20021205		
GB 2003-6080	A	20030318		
WO 2003-EP13329	W	20031124		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2004050981	ICM	D06M013-192
ICS D06M013-395; D06M023-06; D06M023-00; D06M015-564		
IPCI D06M0013-192 [ICM,7]; D06M0013-395 [ICS,7]; D06M0013-00 [ICS,7]; D06M0023-06 [ICS,7]; D06M0023-00 [ICS,7]; D06M0015-564 [ICS,7]; D06M0015-37 [ICS,7]		
IPCR D06M0013-00 [I,A]; D06M0013-00 [I,C]; D06M0013-192 [I,A]; D06M0013-395 [I,A]; D06M0023-00 [I,C];		

D06M0023-06 [I,A]
ECLA D06M013/00P; D06M013/192; D06M013/395; D06M023/06
CA 2507349 IPCI D06M0013-192 [ICM,7]; D06M0023-00 [ICS,7]; D06M0023-06
[ICS,7]; D06M0023-00 [ICS,7]; D06M0013-395 [ICS,7];
D06M0013-00 [ICS,7]; D06M0015-564 [ICS,7]; D06M0015-37
[ICS,7]
IPCR D06M0013-00 [I,A]; D06M0013-00 [I,C]; D06M0013-192
[I,A]; D06M0013-395 [I,A]; D06M0023-00 [I,C];
D06M0023-06 [I,A]
ECLA D06M013/00P; D06M013/192; D06M013/395; D06M023/06
AU 2003292129 IPCI D06M0013-192 [ICM,7]; D06M0013-395 [ICS,7]; D06M0013-00
[ICS,7]; D06M0023-06 [ICS,7]; D06M0023-00 [ICS,7];
D06M0015-564 [ICS,7]; D06M0015-37 [ICS,7]
IPCR D06M0013-00 [I,A]; D06M0013-00 [I,C]; D06M0013-192
[I,A]; D06M0013-395 [I,A]; D06M0023-00 [I,C];
D06M0023-06 [I,A]
EP 1567708 IPCI D06M0013-192 [ICM,7]; D06M0013-395 [ICS,7]; D06M0013-00
[ICS,7]; D06M0023-06 [ICS,7]; D06M0023-00 [ICS,7];
D06M0015-564 [ICS,7]; D06M0015-37 [ICS,7]
IPCR D06M0013-00 [I,A]; D06M0013-00 [I,C]; D06M0013-192
[I,A]; D06M0013-395 [I,A]; D06M0023-00 [I,C];
D06M0023-06 [I,A]
ECLA D06M013/00P; D06M013/192; D06M013/395; D06M023/06
BR 2003016846 IPCI D06M0013-192 [ICM,7]; D06M0013-395 [ICS,7]; D06M0013-00
[ICS,7]; D06M0023-06 [ICS,7]; D06M0023-00 [ICS,7];
D06M0015-564 [ICS,7]; D06M0015-37 [ICS,7]
IPCR D06M0013-00 [I,A]; D06M0013-00 [I,C]; D06M0013-192
[I,A]; D06M0013-395 [I,A]; D06M0023-00 [I,C];
D06M0023-06 [I,A]
ECLA D06M013/00P; D06M013/192; D06M013/395; D06M023/06
CN 1745207 IPCI D06M0013-192 [I,A]; D06M0013-395 [I,A]; D06M0013-00
[I,C]; D06M0023-06 [I,A]; D06M0023-00 [I,A];
D06M0015-564 [I,A]; D06M0015-37 [I,C]
AB Treating finished garments of cellulosic material so as to cause
crosslinking, comprises the step of treating fabrics
with an effective amt. of a thermally-activated blocked
crosslinking agent for cellulose. Succinic acid (0.017
mol) was dissolved in THF (50 cm³), 1,1'-carbonyldiimidazole (0.034 mol)
was added and the mixt. stirred for 30 mins at room temp.,
N-hydroxysuccinimide (0.034 mol) was added and the mixt. stirred at room
temp. overnight, the mixt. was added to H₂O, filtered, washed with H₂O and
di-Et ether to yield a white solid (2.0 g, 38%), which was the
N-hydroxysuccinimide diester of succinic acid, an
example of a crosslinker.
ST polycarboxylic acid blocked durable press finishing agent cotton;
polyisocyanate blocked durable press finishing agent cotton
IT Creaseproofing
(agents; fabric durable press treatment using blocked
polycarboxylic acid and polyisocyanate crosslinking agent)
IT Textiles
(cotton; fabric durable press treatment using blocked
polycarboxylic acid and polyisocyanate crosslinking agent)
IT Crosslinking agents
(latent; fabric durable press treatment using blocked
polycarboxylic acid and polyisocyanate crosslinking agent)
IT 110-15-6, Succinic acid, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(esterification; fabric durable press treatment using blocked

polycarboxylic acid and polyisocyanate crosslinking agent)
 IT 4223-31-8P 22213-96-3P 30364-60-4P 38632-47-2P 69545-60-4P
 92313-94-5P 141186-17-6P 705282-27-5P 705282-28-6P 705282-29-7P
 705282-30-0P 705282-31-1P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
 (Reactant or reagent)
 (fabric durable press treatment using blocked polycarboxylic
 acid and polyisocyanate crosslinking agent)
 IT 121-33-5, Vanillin 543-20-4, Succinyl chloride 822-06-0, HDI
 454450-95-4, Trixene BI 7963 705931-63-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (fabric durable press treatment using blocked polycarboxylic
 acid and polyisocyanate crosslinking agent)
 IT 100-02-7, 4-Nitrophenol, reactions 108-95-2, Phenol, reactions
 119-36-8, Methyl salicylate 123-56-8, Succinimide 150-76-5,
 4-Methoxyphenol 2033-24-1, Meldrum's acid 7681-57-4, Sodium
 metabisulfite
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction with HDI; fabric durable press treatment using
 blocked polycarboxylic acid and polyisocyanate crosslinking
 agent)
 IT 95-95-4, 2,4,5-Trichlorophenol 97-54-1, Isoeugenol 767-00-0,
 4-Cyanophenol 6066-82-6, N-Hydroxysuccinimide
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction with succinic acid; fabric durable press
 treatment using blocked polycarboxylic acid and polyisocyanate
 crosslinking agent)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

- (1) Bayer Ag; EP 0537578 A 1993 CAPLUS
- (2) Deutsche Hydrierwerke Ag; GB 432404 A 1935 CAPLUS
- (3) Int Flavors & Fragrances Inc; EP 1205116 A 2002 CAPLUS
- (4) Mooney, W; WO 9804772 A 1998 CAPLUS
- (5) Rhodia; WO 0151496 A 2001 CAPLUS
- (6) Watanabe, A; US 4780101 A 1988 CAPLUS

=> d l4 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:493941 CAPLUS

DN 141:55724

TI Fabric durable press treatment method and composition of blocked
 crosslinking agent

IN Bhatia, Shameem; Carswell, Robert John; Evans, Paul Johnathon; Findlay,
 Paul Hugh

PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SO PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004050981	A1	20040617	WO 2003-EP13329	20031124
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,				

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2507349 AA 20040617 CA 2003-2507349 20031124
 AU 2003292129 A1 20040623 AU 2003-292129 20031124
 EP 1567708 A1 20050831 EP 2003-767673 20031124
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, BG, CZ, EE, HU, SK
 BR 2003016846 A 20051025 BR 2003-16846 20031124
 CN 1745207 A 20060308 CN 2003-80109393 20031124
 PRAI GB 2002-28358 A 20021205
 GB 2003-6080 A 20030318
 WO 2003-EP13329 W 20031124
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:37034 CAPLUS
 DN 140:78593
 TI Hydrophilic coating materials with good processability and high durability
 for dewing prevention
 IN Shinoyama, Hiroyuki; Fukuoka, Shigenori
 PA Kyoeisha Chemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004010764	A2	20040115	JP 2002-166559	20020607
PRAI JP 2002-166559		20020607		

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2001:218034 CAPLUS
 DN 134:267684
 TI Compositions for oiling and softening synthetic fibers and method for
 using
 IN Takagi, Makoto; Kobayashi, Kiyoto; Inagaki, Kuniyasu; Kinoshita, Tsukasa
 PA Takemoto Oil and Fat Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2001081673	A2	20010327	JP 1999-258717	19990913
PRAI JP 1999-258717		19990913		

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1970:436365 CAPLUS
 DN 73:36365
 TI New process for the partial esterification of cellulose with carboxylic

acids under practice conditions

AU Thomas, Rainer

CS Phrix-Werke A.-G., Siegburg, Fed. Rep. Ger.

SO Textilveredlung (1970), 5(5), 361-8

CODEN: TXLVAE; ISSN: 0040-5310

DT Journal

LA German